

User's Guide
Ver. 2.2(E)



iAUDIO X5

General

- iAUDIO is a registered trademark of Cowon Systems.
- This product is for home use only and cannot be used for commercial purposes.
- The copyright for this manual belongs exclusively to Cowon Systems, and it is strictly prohibited to distribute this manual in whole or in part without prior written permission.
- The copyrights for JetShell and JetAudio belong to Cowon Systems, and it is strictly prohibited to distribute them without prior written permission by Cowon Systems or to use them commercially.
- The MP3 files created using the MP3 conversion feature of JetShell or JetAudio must be used for personal purpose only. It is against the copyright laws to use them for commercial purposes or services.
- Cowon Systems abides by the regulations on phonograph records, videos, and games. It is the responsibility of user to comply with the all other related codified laws.
- We recommend that you to go to <http://www.iAUDIO.com> and register as an official customer as soon as you purchase this product. You then will be eligible to receive special benefits only available to official customers who have completed the customer registration form.
- If those users who did not complete the official customer registration form. Certain issues will be considered the responsibility of the user and may not be covered in the same way as those users who have completed the registration.
- The examples, texts, drawings, and pictures contained in this manual are subject to change without prior notice according to improvements of the product.

Information on BBE

- iAUDIO is produced under license from BBE Sound, Inc.
- BBE Sound, Inc. retains licensing rights pursuant to USP4638258, 5510752, and 5736897.
- BBE and the BBE symbols are registered trademarks of BBE Sound, Inc.

Website Introduction

The iAUDIO website is: <http://www.iAUDIO.com>.

There you can get the latest information about our products, latest firmware, and applicable downloads and upgrades. We provide an FAQ and a Beginner's Guide for customers who just started using the product.

After joining the website, you may be upgraded to an official member by registering the product using the product number shipped with the package and the serial number on the back of the product.

When you have registered as an official member, you may receive one-on-one online A/S, in addition to product information and event news via email.

DIGITAL PRIDE®

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4 | Precautions for Using iAUDIO

Do not use iAUDIO for purposes other than specified here in the User's Guide.



Be careful not to cut your hands when unpacking the box, User's Guide, or accessories.



Do not let the unit get wet or leave it in a damp place for prolonged periods. If the product is damaged from moisture as described above, product failure is then classified as failure by submersion, and no longer covered by warranty. Moreover, may permanently damage the product, so the product may become un-repairable.



There are no user serviceable parts in the unit, and any attempt to open, disassemble or reconstruct the product will void any warranty, disqualify it for free service, and the unit may be permanently disqualified from any after service.



Pay attention to the directions when connecting the USB cable to your iAUDIO or a PC. Connecting the unit or PC incorrectly with the USB cable may damage them. Do not bend the USB cable excessively or leave it pressed by heavy objects.



Contact our reseller representative in your country if you notice that the device over-heats.



Touching iAUDIO with wet hands may damage the unit and cause malfunctions. Handle the power plug only with dry hands. (Otherwise an electric shock may occur.)



Listening to iAUDIO at high volumes for extended periods may harm your hearing.



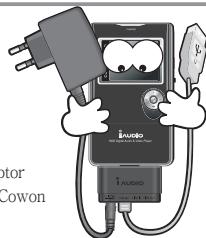
Using iAUDIO in places with high occurrences of static electricity may cause malfunctions.



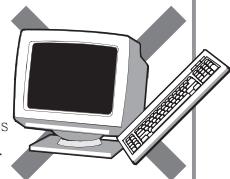
Always backup important files. All data stored in iAUDIO may become deleted when being serviced. Our after-service center does not backup files in iAUDIO units.

Please note that Cowon Systems is not responsible for any data loss from products entrusted to us for service.





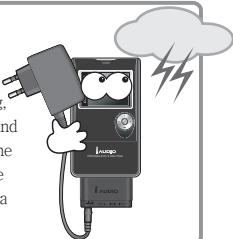
Use only the AC power adaptor and USB cable provided by Cowon Systems Inc..



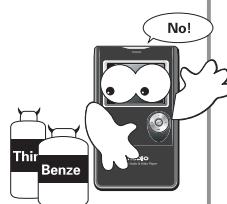
When connecting to a PC, use only a USB port on the main board or a USB Host card. Using an external USB hub does not guarantee proper operation. (e.g. USB port on a keyboard, or an external USB hub)



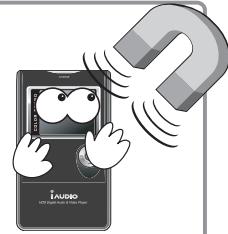
To remove iAUDIO when it is connected to a cradle or a subpack via USB cable, the "Safely remove hardware" or "Separate or take out hardware" Windows features must be used.



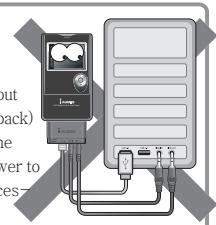
If there is thunder or lightning, unplug the PC power cables and the AC power adaptor from the power outlet for there may be lightning strikes which cause a fire hazard.



Use only a soft, dry cotton flannel cloth to clean the product. (Never use water/soap/benzene/detergent.)



Keep the product away from magnets and direct magnetic fields, as they can cause product failure.



Do not connect line input/output terminals to a cradle (or Subpack) and a PC USB port at the same time, as it may cause the power to turn off. Connect only the necessary terminal.



Do not drop or strike the product. It may be the direct cause of failure, and you may not receive free A/S.

* The product is a portable storage medium. You must backup important data. The manufacturer is not liable for any data loss.

What is iAUDIO X5?

iAUDIO is an original multi-media player brand from Cowon Systems. It is a super-compact, portable digital audio device that supports playback of various multi-media audio files including MP3 files and Mpeg4 video, features FM radio listening/recording, recording through a built-in microphone or line-in input terminals, and text and image viewer OTG (USB host feature).

Portable, Stylish, Slim Design

iAUDIO X5, with its super-compact slim design is not only convenient to carry, but also stylish with a high-quality aluminum external finish on most of the unit.

Portable HDD type MP3 Player with a Super Huge Storage Capacity

With the super huge storage capacity, this 20GB product can save approximately 5,000 songs (MP3 files -- 4 MB each). iAUDIO X5 is capable of recognizing up to 2,000 folders and 10,000 files.

Built-in Lithium Battery for Maximum Play Time

A super power saving circuit is used to provide a long playback time. A continuous playback of up to 14 hours is possible after a full charge.

(based on the company's test environment)

Strong Music Format Support

It supports MP3, OGG, WMA, WAV files, as well as FLAC (a lossless compressed codec). The first player in Korea to support this format, and only the second in the world!

Video Playback

It's possible to convert various video files to MPEG4 video (up to 15 fps), using JetAudio. The transcoded video file can be played back on iAUDIO X5.

Convenient Text and Image Viewer

You can view both text and image files on iAUDIO X5. You can view text files while listening to music.

OTG (USB Host) Feature

You can import photos taken from a digital camera to iAUDIO, and view them from iAUDIO using the USB Host feature of iAUDIO X5. (*Certain digital cameras are not supported.)

High-Quality Voice Recording

With the built-in, high-fidelity microphone, iAUDIO can record voice at the level of dedicated voice recorders. You can record important meetings or lectures using this feature.

Direct Encoding (Line-in)

iAUDIO provides direct encoding by which you can record output from an external audio device at a 1:1 ratio. This means that you can connect the recording terminal and the output terminal of an external audio device with a bi-directional stereo cable for recording. Using this feature, you can receive the direct input from audio devices such as a walkman, MD (mini disk), old LP phonograph, or TV, and record them with iAUDIO.

Listen to and Record FM Radio

iAUDIO also has a preset feature which allows you to save your preferred radio stations as channel numbers.

Wide and Luxurious Color LCD

iAUDIO comes equipped with a 160 x 128 dot, 260,000 color TFT-LCD, which allows you to check the general operation status of the device with one glance.

Most Powerful Sound Fields in the World

iAUDIO produces uniquely powerful and delicate sound. You can enjoy every sound field effect listed below:

- BBE: Sound effect that makes music more vivid.
- Mach3Bass: Base booster that reinforces super low frequencies.
- MP Enhance: Sound effect that compensates for lost parts of sound.
- 3D Surround: Three-dimensional sound that gives the sound a wide sense of space.

Simple and Easy Firmware Upgrading

You can use the firmware upgrade feature to improve product performance. We support users' requests and suggestions by continuously providing firmware on a non-periodic basis.

Portable Disk

iAUDIO is automatically recognized as a removable disk when you connect it to your PC via the USB cable. You no longer need a separate USB drive with small storage any more.

MP3 Encoding Software

JetShell, the file transfer software included in the iAUDIO package, allows you to convert music to MP3 files easily and rapidly. Now you convert and upload your favorite music from Audio CDs to iAUDIO.

JetAudio

Also included in the package is JetAudio, the most popular integrated multimedia player software in the world. Also, a simple video conversion for X5 is possible using the JetAudio conversion tools without need for any additional program.

Components in the Package



iAUDIO (MP3 Player Main Body)



LCD Remote Control (Optional)



Bundled Earphones



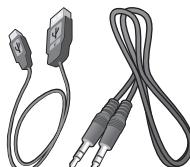
Carrying Case (Optional)



Install CD (JetShell, JetAudio)
User's Guide



Subpack



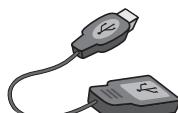
USB 2.0 Cable, Line-in Recording Cable



AC Adapter



Cradle (Optional)



USB Host Cable

Features

- MP3, OGG, WMA, ASF, FLAC, WAV, MPEG4(video) playback***, FM Radio Receiver and Recording, Voice Recording, Line-In Recording
- TXT(Text), JPEG(Image) File Viewer (Image Enlarge, Background Screen Designation)
- Built-In HDD(20GB/30GB)*, USB Host**, File Copy/Delete
- USB 2.0 Interface
- 260,000 Colors TFT-LCD, Resolution 160x128
- Long Playback Time : Up to 14 hours playback (35 hours for iAUDIO X5L)
(Based on the company's self-test, the playing time may be shortened according to settings.)
- Multi language support
- Enhanced Integrated Navigator
- Play/Pause, Recording/Pause While Recording
- Next Song/Previous Song, Fast Forward/Rewind, Section Repeat
- Resume, Fade-In, AutoPlay Features
- Search Speed, Skip Speed Setup
- Volume (Digital 40 Levels)
- Various EQ and Sound Field Effects
 - User-Adjustable 5-Band EQ
 - Normal, Rock, Pop, Jazz, Classic, Vocal, User
 - Supports BBE, Mach3Bass, MP Enhance, and 3D Surround.
- Clock, Alarm, Timer Recording, Sleep Function, Power Saving Shutdown
- Power, LCD On/Off, Hold Combined Switch
- LCD Auto Off Time Adjustment, Brightness, and Contrast Adjustments
- Easy Firmware Upgrade
- Supports ID3V2, ID3V1, FileName
- Device Information Verification
(Firmware version, HDD capacity, HDD volume, total folder number, total file number)
- Supports MAC OS (Only data transfer is supported)
- Supports Linux v 2.2 or higher (Only data transfer is supported)
- Software
 - JetShell (File transfer, MP3/WMA/WAV/AUDIO CD PLAY, MP3 ENCODING)
 - JetAudio (Integrated multimedia player software, music/video conversion feature)

Specifications

Supported Files	MP3 : MPEG 1/2/2.5 Layer 3, ~320kbps, ~48khz, mono/stereo WMA (ASF) : ~256kbps, ~48khz, mono/stereo OGG : ~q10, ~44.1khz, mono/stereo FLAC : compression level 0/1/2, ~44.1khz, mono/stereo WAV : ~48khz, 16bit, mono/stereoXviD MPEG-4, CBR ~256kbps, up to 160x128, 15 fps JPEG ****
Hard Disc	1.8" 20GB/30GB/60GB Note 1 FAT32 Note 2
PC Interface	USB 2.0 (Max. 480M bps)
USB Host (OTG) **	
Battery	Built-in Rechargeable battery (Up to 14 Hours Continuous Playback) (35 Hours for X5L)
Power	AC adapter DC 5.0V, 2A
Charge Time	Approximately 3 hours when using the AC power adaptor (6 hours for iAUDIO X5L)
Buttons	Main unit: 5-way Jog (NAVI/MENU, VOL+, VOL-, REW, FF), PLAY, REC, POWER & HOLD switch Remote Control: PLAY/PAUSE, FF, REW, MENU, VOL+, VOL-, MODE, REC
Display	160 x 128 dot, 260,000 color TFT-LCD
SNR	95dB
Frequency Range	20Hz~20KHz
Output	16 Ohm Earphone: 20mW + 20mW
Size	iAUDIO X5 : 4.08 X 2.39 X 0.56 inches (103.7 X 60.8 X 14.3 mm) excluding the LCD iAUDIO X5L : 4.08 X 2.39 X 0.72 inches (103.7 X 60.8 X 18.3 mm) excluding the LCD
Weight	iAUDIO X5 : 5.11 oz (145g) iAUDIO X5L : 6.35 oz (180g) including the built-in battery

* 1GB means 1 billion bytes. Actual formatted capacity less. Playable media files : 2,000 folders and 10,000 files.

** Some models of digital camera or reader may not be supported. *** Need to transcode using JetAudio. **** Progressive JPEG is not supported.

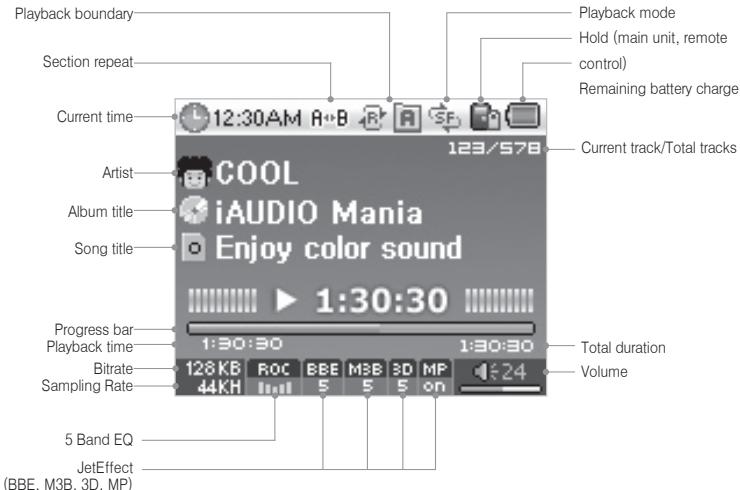
Note 1 To format a 60 GB product, use a program that can recognize 60 GB as a FAT32 file system. (e.g. PartitionMagic)

Note 2 Recognizes product as an ordinary storage medium in file systems other than FAT32.

Names of Parts



LCD Display



The battery level icon indicates the remaining time for use. Fewer bars are displayed as the battery charge decreases. For some dry or rechargeable batteries, the bars of the battery level indicator may become unstable while the charge is being measured, but this is normal.

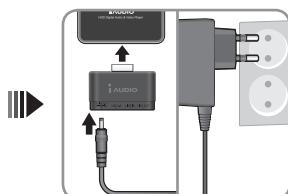


When the battery needs to be charged, the icon starts blinking. At this time, connect the AC power adapter and charge the battery. If there is no AC power adapter available, safely turn off the device.

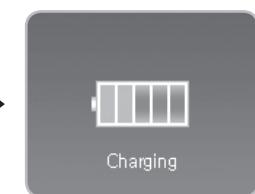
Connecting to a Power Source and Charging



1. Connect the subpack to the bottom of the iAUDIO X5 main unit.



2. Connect the AC adaptor to the power outlet and the DC terminal of the subpack.



3. Charging begins as soon as the connection is made.

- You must sufficiently charge the device with the AC adaptor before you use it for the first time or after a long period of storage.
- For the safety reasons, you must use only the supplied AC adaptor.

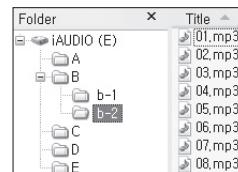
Connecting to a PC



2. Connect the USB 2.0 terminal of the subpack to the PC using the USB cable provided.



3. If the connection is correct, the following figure appears on LCD.



4. You may confirm the newly added drive with Windows Explorer.

- A separate driver installation process is needed for Windows 98, and 98 SE.
- For driver installation process, please refer to 5. additional description on page 38.
- The maximum folder number and file number this product can recognize is 2,000 and 10,000 respectively.

Copying Files and Disconnecting

1. Open Windows Explorer while the iAUDIO X5 is connected to your PC.
2. Copy audio files, graphic files, transcoded video files and other files to the X5 drive.
3. After copying the files, click the  icon in the PC tray.
4. Click the following popup message when it appears.



5. The "Safely remove hardware" window appears. At the same time, the following picture appears on the iAUDIO X5 LCD.



6. Click the OK button and then disconnect the USB cable.

- This product uses a hard disk and must confirm the safe removal of hardware before disconnecting.
- If the following message appears, it does not mean product failure. You may execute safe hardware removal after a few moments.



Turning the Power ON

The power will turn on when the power switch is pushed upward for 1~2 seconds.

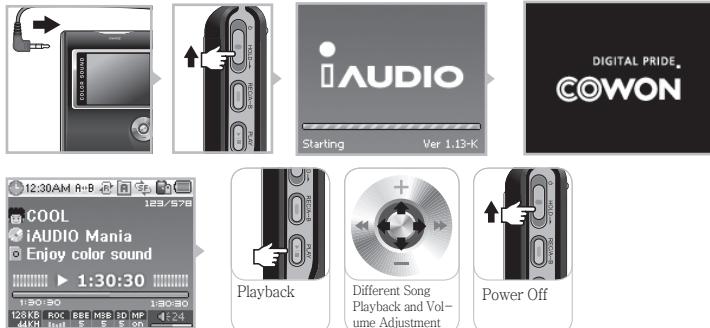


Turning the Power OFF

- The power will turn off when the power switch is pushed upward for 1~2 seconds.
- The LCD will turn off when the power switch is slightly pushed upward, but the power remains on. The LCD will turn on when the power switch is slightly pushed upward again.



1. Simple Operations

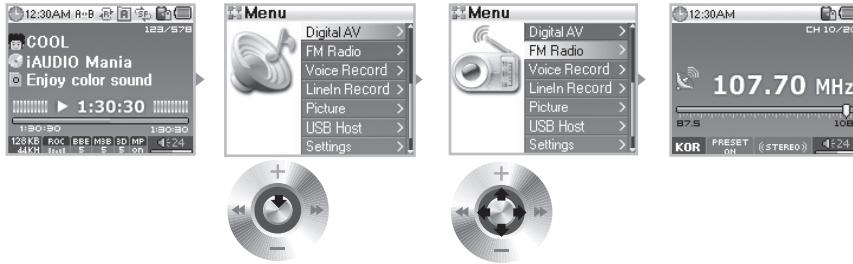


1. Connect the earphone to main unit (when using the remote control, connect it to the main unit, and connect the earphone to remote control).
2. A long upward push of the power switch will turn the power ON.
3. The initial screen and the stand-by screen (after logo setup) will appear (you may make it automatically playback according to the setup).
4. Pressing the "PLAY" button will playback the music.
5. Move the lever left and right to playback different songs. Move the lever up and down to adjust the volume.
6. A long upward push of the power switch will turn the power OFF.

- You may not turn the power OFF while recording.
- Turning the power ON while the adapter is connected will activate the charging mode and the stand by screen will appear.
- Turning the power OFF while the USB is connected will activate the charging mode using USB power.
- However, when a USB hub is used, the USB charging mode is not supported.

2. Basic Operations for Switching Modes

e.g. Switching from Digital AV Mode to FM Radio Mode:



There are 6 modes (Digital AV, FM Radio, Voice Rec, Line-In Rec, Picture, USB Host).

To enter the desired mode, press and hold the lever for approximately 2 seconds. When the Menu screen appears, push the lever in the +, - direction to switch to a desired menu item. After moving the cursor to the desired menu, you may press the lever, playback button, or push the lever in the ► direction to display the selected menu screen. To exit the mode menu, simply press the "REC" button or push the lever in ◀ direction to return to previous screen.

Press the "REC" button if you want to cancel the action on the mode switch screen and return to the previous mode.

3. Basic Operations for Using Menu

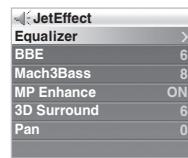
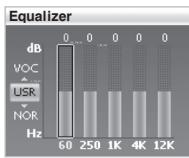
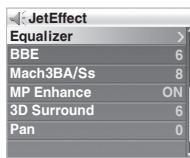
e.g. Changing JetEffect EQ from NOR (Normal) to ROC (Rock):



Enter the Menu
Hold and press the lever for 2 seconds to enter the menu.

Entering the Settings
Highlight settings and press the lever to enter the settings menu.

Moving up and Down the menu items
Push the lever toward the +, - direction.



Menu Item Selection
Press the lever or push the lever toward the **►** direction to enter the submenu of the selected menu.

Menu Item Selection
Select the Equalizer menu using the same method.

EQ Item Movement
Push the lever toward the +, - direction. You may select ROC EQ by pushing the lever toward the - direction when in NOR mode.

Exit after selecting ROC EQ
Move the lever toward the **◀** direction or press the playback button.

5Band dB Level Adjustment
You may adjust the 5Band dB level by a short tap on the lever or by pushing the lever toward the **►** direction.

Moving through Menu Items

Press and hold the lever to enter the menu, and push the lever toward the +, - direction to move through the menu items.

You may press the lever or push the lever toward the **►** direction to enter the lower menu.

You may move to the upper menu by pushing the lever toward the **◀** direction.

(If you select the upper most menu screen, you will return to the stand-by screen).

Menu Item Value Adjustment

Push the lever toward the +, - direction to adjust the value to the desired level.

Press the lever to select the item. The adjusted value will be reflected immediately.

Press the "PLAY" button to return to the mode screen after setup is complete.

Canceling Menu Item Setup, Closing the Menu Screen

Pressing the "REC" button will return the item value to its previous status and close the menu screen.

Equalizer Menu Item Setup

Select Equalizer menu from the JetEffect menu.

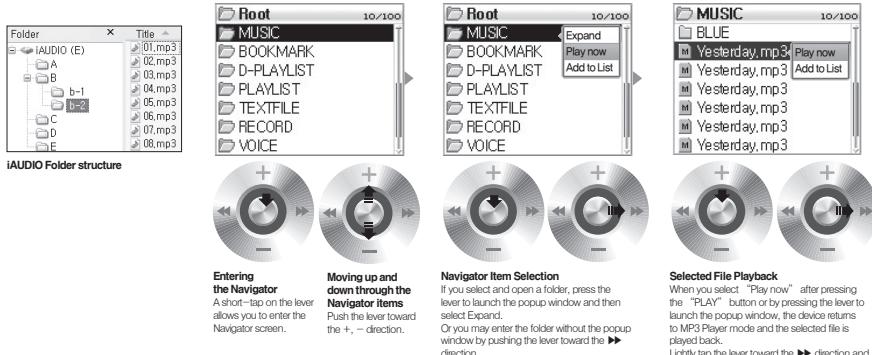
You may select the EQ that has been setup by pushing the lever toward the +, - direction.

You may select each band of EQ by pushing the lever toward the **►** direction.

You may adjust the dB level of the band by pushing the lever toward the +, - direction while the band is selected. (0 ~ 12dB)

Push the lever toward the **◀** direction to return to the upper menu or press the "PLAY" button to complete EQ setup.

4. Basic Operations for Using the Navigator



■ Opening the Navigator Screen

To enter the Navigator screen, lightly tap the lever.

When in Digital Av, Voice Rec, LineIn Rec, or Picture mode, the Navigator opens to search folders and files inside.

In FM Tuner mode, the Navigator for searching and setting frequency values opens.

In USB Host mode, the Navigator screen is displayed by default.

■ Moving through the Navigator Items

Push the lever toward the +, - direction to move up or down the Navigator items.

You may press the "PLAY" button or push the lever toward the >> direction to move to the lower folders.

Push the lever toward the << direction to move to the upper folders.

(At the upper most folder, Navigator closes and returns to the original mode screen.)

■ Navigator Item Selection

For the selected file item, you may playback the file by pressing the "PLAY" button or moving the lever toward the >> direction.

For the selected folder item, you may enter the folder by pressing the "PLAY" button or moving the lever toward the >> direction.

■ Navigator Popup Window

When you press the lever, the appropriate popup window opens according to the Folder, File, Dynamic PlayList File, or Radio Mode.

Push the lever toward the +, - direction to select the desired popup item.

Press the "PLAY" button or push the lever toward the >> direction to select a popup item.

Press the "REC" button to cancel and close the popup window.

Item	Popup text
Multi-Media File	Play Now, Add to List
General Folder	Expand, Play Now, Add to List
Dynamic Playlist File	Play Now, Remove, Remove all
Bookmark File	Play Now, Remove, Remove all
Radio Mode Navigator	Listen Ch, Save Current, Delete Ch
Image file	Image File View, Wallpaper
Image Folder	Expand, Thumnail

■ Closing Navigator

Pressing the "REC" button will close the Navigator screen and return to the original screen.

1. Digital AV Mode (Multi-Media File and TextViewer Operation)

Digital AV mode is the mode for playback of audio files and video files or viewing text files saved in hard disk. For switching between modes, refer to “2) Basic Operations → 2. Basic Operations for Switching Modes.”

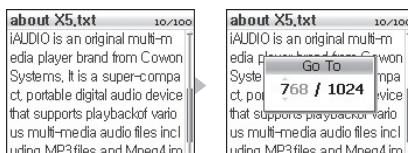
■ Multi-Media File Playback



1. Turn the power ON. After both the initial screen and the logo screen appear, the stand-by screen with basic information appears.
2. Press the “PLAY” button to playback audio files or encoded video files.
3. Pressing the “PLAY” button during playback will pause the file.
4. Lightly tapping the lever in one direction (left or right) during playback will playback a different song.
5. Pushing and holding the lever in one direction (left or right) during playback will search songs.

- When AutoPlay is On, playback is automatically started after the logo screen.
- When Resume is On, playback starts from the position last played.
- Move the lever toward the +, - direction to adjust the volume.
- Song information displayed during playback depends on the Song Title setting.
- It may take several seconds to playback a selected song due to characteristics of the hard disk. This is not a product failure.
- If there are many files saved, it may take time to display the screen, and is not a product failure.
- The maximum recognizable number of folders is 1999, and the maximum number of files is 9999 (only audio and video files that can be played back, no limitation for other files.) in Digital AV mode. Maximum allowable characters for a file name is 52, any letters after those 52 will be cut off.
- Normal operation is not guaranteed for video files that have not gone through the encoding process via JetAudio.

■ TextViewer Operation



1. Connect iAUDIO to a PC with the USB cable.
[Please refer to “1) Before Using This Product → -7. Connecting to a PC.”]
2. Copy the text file you want to see in iAUDIO to the “TEXTFILE” folder in iAUDIO.
3. Disconnect iAUDIO and the PC.
[Please refer to “1) Before Using This Product → -8. Saving Files and Disconnecting from a PC.”]
4. Turn the power ON and select a text file saved in the “TEXTFILE” folder with the Navigator.
This will enable text file viewing.
5. Moving the lever +, - will move the text line by line, and moving the lever with **◀◀**, **▶▶** will move the text page by page.
6. Press the lever to launch a separate window and move directly to a specified location.
7. Press the “REC” button to exit TextViewer mode.

- You may view the text file while listening to music.
- Save text files only in the “TEXTFILE” folder.
- Text files will be recognized up to 128KB, and the maximum number of folders that files can be saved in is 49, and the maximum number of files is 99 (total file number under “TEXTFILE”).

■ Section Repeat Setup



Section Repeat is a feature that allows the user to setup a section he/she wants to listen to and playback in the selected range.

1. In Digital AV mode, press the REC (A↔B) button at the starting point of the section you wish to repeat during audio file playback, the (A↔) icon will appear in the upper status bar.
2. Press the REC(A↔B) button at the end point of the section you wish to repeat, the icon changes to (A↔B), and the selected section will playback repeatedly.
3. Press the “REC” button again to cancel section repeat.

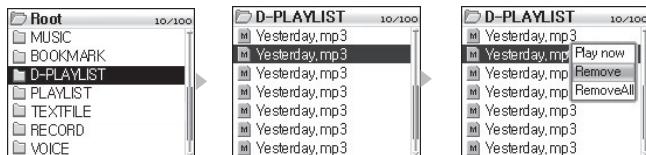
- You must select a section that is longer than 1 second.
- Selecting or searching different songs during section repeat setup will also cancel the section repeat operation.
- This function only applies to audio files. Section Repeat does not apply to encoded video files.

■ Dynamic Play-List (Referred to hereafter as DPL) Setup

■ Adding songs to the DPL



■ Removing songs from the DPL



It is a feature that allows the user to easily edit the songs he/she wants in a List and listen to them.

There is a built-in folder called "D-PLAYLIST" on the player, and this folder will not be recognized by the computer.

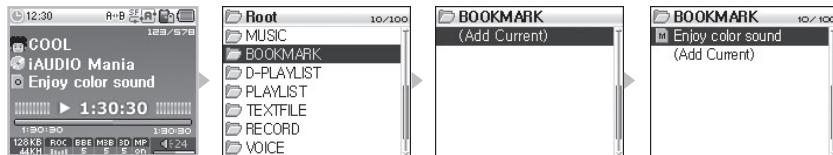
The user may add/delete songs he/she wants and enter the "D-PLAYLIST" folder to listen to those songs.

1. To add songs to the DPL, launch the popup of a song or folder in Navigator, and select "Add To List."
2. To remove songs from the DPL, launch the popup of songs you want to remove in the "D-PLAYLIST" folder, and select "Remove."

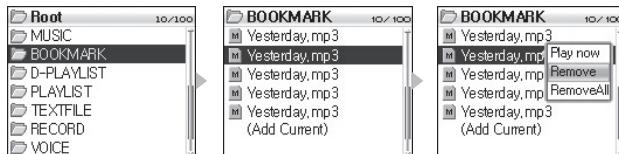
- If you add an entire folder by "Add To List", all of the songs in the folder will be added to the DPL.
- To remove all songs from "D-PLAYLIST", select "Remove All" from the popup window.
- Removing songs from "D-PLAYLIST" is simply removing the link not the files. If you want to remove the files, you need to delete the files while in USB Host mode or when the device is connected to a PC. Please refer to 3. Instructions for Different Modes → 4. USB Host Mode or 1. Before Using This Product → 7. Connecting to a PC."
- You may setup "Adding D-Playlist songs" using the "PLAY" and "REC" buttons. To do this, press and hold the buttons while an AV file is being played back, the "Added to DPL" message appears and the songs will be added to the DPL. (Songs that have already been added will be deleted and the "Removed from DPL" message appears.) Please refer to "4. Detailed Description of Features by Menu → 7. General → Controls" section.
- Deleting songs in the DPL from a PC will automatically delete the saved DPL.
- The maximum number of files that can be added to the DPL is 200.

■ Bookmark Setup

■ Adding songs to BOOKMARK



■ Removing songs from BOOKMARK



Bookmark is a feature to setup a desired starting point for each song.

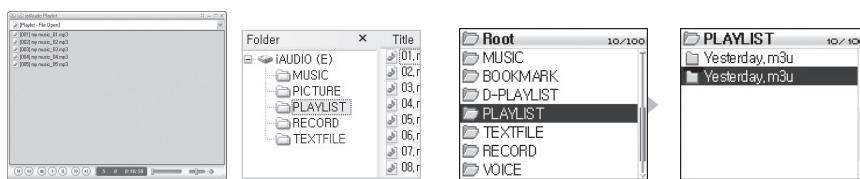
A folder called “BOOKMARK” is on the player, and the folder will not be recognized by the computer.

When you setup a bookmark at the desired location for a certain file, you may playback the file at that location any time you want.

1. Move to the “BOOKMARK” folder (the upper most folder using the Navigator) during file playback.
2. Press “Add Current” in the folder at the place where you want to setup a bookmark and the bookmark is setup at that place.
3. Select the file under “BOOKMARK” to playback the file for which a bookmark has been setup.
4. To remove songs that have been bookmarked, launch the popup window for the songs you want to remove in the “BOOKMARK” folder, and select “Remove.”

- If a file has already been setup for a bookmark, selecting “Add Current” will change the bookmark location to a new starting point.
- To remove all the songs from the “BOOKMARK”, select “Remove All” from the popup.
- Removing songs from “BOOKMARK” is simply removing the link not the files. If you want to remove the files, you need to delete the files while in USB Host mode or with the device connected to a PC. Please refer to “3. Instructions for Different Modes → 4. USB Host Mode or 1. Before Using This Product → 7. Connecting to a PC.”
- You may setup “Adding Bookmark” using the “PLAY” and “REC” buttons. To do this, press and hold the buttons while an AV file is being played back, the “Added to BMK” message appears and the songs will be added to BOOKMARK. Please refer to “4. Detailed Description of Features by Menu → 7. General → Controls” section.
- Deleting songs in BMK from a PC will automatically delete the saved BMK.
- The maximum number of files that can be added to BMK is 20.
- BMK does not support video files.

■ Playlist (M3U Playlist) Setup



A folder called "PLAYLIST" already exists in the upper most folder of the hard disk, and the user may create a Playlist (M3U) as he/she prefers. (An M3U file is a list file in which the sequence of audio files is entered.)

1. To create an M3U file, connect iAUDIO to a PC with the USB cable.
[Please refer to "1) Before Using This Product → 7. Connecting to a PC."]
2. Run the program (JetAudio, WinAmp) that can create M3U files.
3. Move the files in iAUDIO to each program's Playlist to edit and save them as M3U files.
4. Save the created M3U files in the "PLAYLIST" folder in iAUDIO.
5. Disconnect iAUDIO and the PC. Please refer to "1. Before Using This Product → 8. Saving Files and Disconnecting from a PC."
6. Turn iAUDIO ON, and then you may playback the M3U files that have been saved in the "PLAYLIST" folder using the Navigator.

- An M3U file is not an audio file. It is only a playlist of audio files. Therefore, deleting an M3U file will not delete the audio file.
- Be sure to save M3U files only in the "PLAYLIST" folder.
- You must create an M3U file for the files saved in iAUDIO while iAUDIO is connected to a PC. If you create an M3U file in the PC, or create one containing files saved in the PC after the device has been connected to the PC, the M3U file will not playback properly.
- Deleting M3U file is only possible in USB Host mode or when the device is connected to a PC. Please refer to "3. Instructions for Different Modes → 4. USB Host Mode or 1. Before Using This Product → 7. Connecting to a PC."
- M3U files will be recognized up to 128KB, and the maximum number of folders that files can be saved in is 99, and the maximum number of songs that can be supported in an M3U file is 999.

2. FM Radio Mode(Listening to FM Radio)

FM Radio mode is a mode that allows you to choose the frequency of and listen to radio stations.

■ Listening to FM Radio

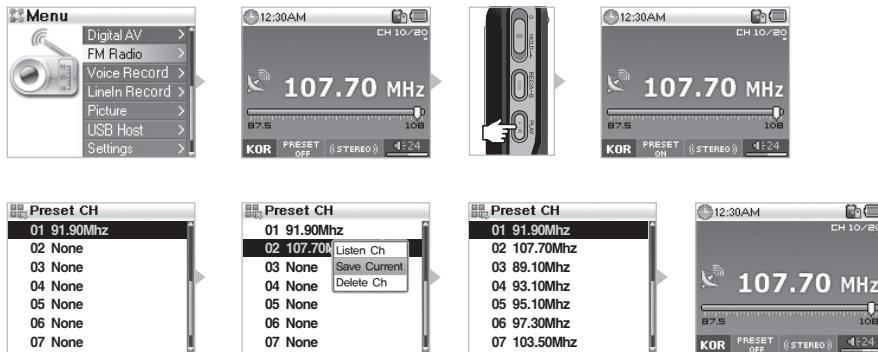


1. Turn the product ON and move to FM Radio mode.
[Please refer to "2) Basic Instructions → 2. Basic Operations for Switching Modes."]
2. A Short-tap of the lever toward the **<>** direction will move 0.1Khz each time.
3. Pushing and holding the lever toward the **<>** direction will automatically search for channels that have better reception.

- If you were listening to the radio before turning the product off, it will resume radio mode when the power is turned on again.

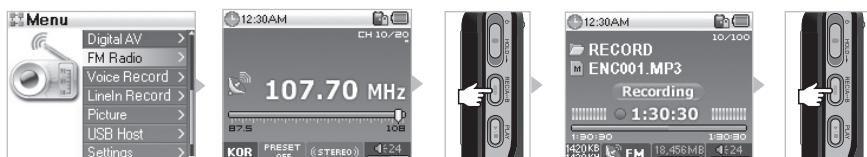
■ Preset Setup

The frequencies that the user often listens to are entered and can be selected without a specific search.



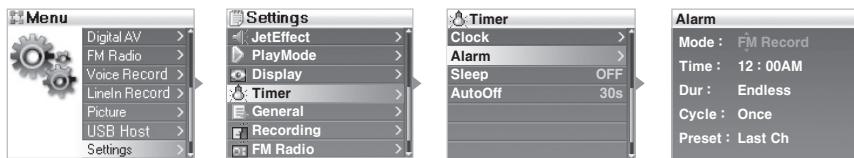
1. Turn the product ON and move to FM Radio mode.
[Please refer to “2) Basic Instructions → 2. Basic Operations for Switching Modes.”]
 2. Select frequencies that you often listen to and press the “PLAY” button to run Preset mode.
 3. A short-tap on the lever will move to Navigator mode.
 4. Enter the current frequency, and move lever toward the +, - direction to set a desired channel, then tap the lever to launch the popup window.
 5. If you select “Save Current,” the selected frequency will be saved as the designated channel.
 6. You may listen to the entered frequency by choosing “Listen Ch,” or delete unnecessary frequencies by choosing “Delete Ch.”
 7. Pressing the “PLAY” button in Preset mode will switch to a mode where a general search is possible.
- If there is no frequency entered in Preset mode, the frequency movement and search will not be available.
 - Pressing and holding the “PLAY” button will automatically setup a Preset station.
 - Up to 24 Preset stations can be saved.

■ FM Radio Recording



1. Turn the product ON and move to FM Radio mode.
[Please refer to “2) Basic Instructions → 2. Basic Operations for Switching Modes.”]
2. Move to the desired frequency for recording.
3. Recording will start when you press and hold the “REC” button at the point at which you want to start recording.
4. Pressing the “REC” button again will stop the recording.

■ FM Radio Timer Recording



- Refer to "4) Detailed Description of Features by Menu → 6. Timer" to set the time in iAUDIO.
- Refer to "4) Detailed Description of Features by Menu → 6. Timer" to select FM Record mode from Alarm.
- When the preset time arrives, the product automatically turns on and recording starts according to the setup.
Please refer to Alarm for more information.

- The recorded file is saved in "VOICE" folder.
- Recording consumes more battery power than usual. Be sure to fully charge the battery before recording.
- The quality and capacity of the recording depends on the recording quality setup in addition to the reception. Please refer to "4. Detailed Description of Features by Menu → 8. Recording."
- Maximum capacity for a single recording is 268MB. A new file will be created and start recording if the capacity is exceeded.
- If there is less than 128MB space available on the hard disk, the recording will not start. If the available space becomes less than 128MB during recording, the recording will end.
- Up to 999 files can be recorded.

3. Voice Record Mode (Recording Voice with Built-In Mic)

Voice Record mode is a feature that can record voice with the built-in microphone.

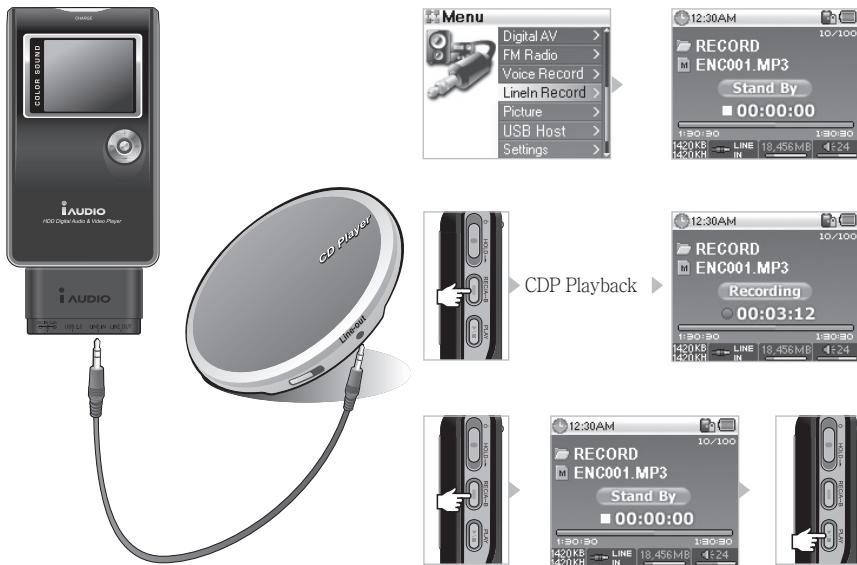


- Turn the product ON and move to Voice Record mode. Please refer to "2. Basic Instructions → 2. Basic Operations for Switching Modes."
- Press the "REC" button to start recording.
- Pressing the "REC" button again will stop the recording.
- Press the "PLAY" button to playback recorded files.

- To playback recorded files using features such as search, you may run the files in Navigator using Digital AV mode.
- If you were running Voice Record before turning the product off, it will resume in Voice Record mode when the power is turned on again.
- Recording consumes more battery power than usual. Be sure to fully charge the battery before recording.
- When you are listening to music using the Recording feature setup for the "REC" button, you may still start recording immediately by pressing and holding the "REC" button.
[Please refer to "4) Detailed Description of Features by Menu → 7. General → Controls" section.]
- The recorded file is saved in "VOICE" folder.
- The quality and capacity of the recording depends on the recording quality setup as well as the reception. Please refer to "4. Detailed Description of Features by Menu → 8. Recording."
- Maximum capacity for a single recording is 268MB. A new file will be created and start recording if the capacity is exceeded.
- If there is less than 128MB space available on the hard disk, the recording will not start. If the available space becomes less than 128MB during recording, the recording will end.
- Up to 999 files can be recorded.

4. LineIn Record Mode(Recording Using a Stereo Cable)

Line-In Record mode is a feature which allows the user to record sound from another audio device to iAUDIO using the stereo cable shipped with the product.



1. Connect the headphone jack of the CDP to Line-In jack of iAUDIO with the stereo cable.
2. Turn the product ON and move to Line-In Record mode. [Please refer to “2) Basic Instructions → 2. Basic Operations for Switching Modes.”]
3. Press the “REC” button to stand-by until the audio signals come in.
Stand-by mode depends on the Auto Sync setup, [Please refer to “4) Detailed Description of Features by

Menu → 8. Recording.”]

4. Pressing the “PLAY” button on the CDP will start the recording from iAUDIO.
5. Pressing the “REC” button again will stop recording.

- To playback recorded files using features such as search, you may run the files in Navigator using Digital AV mode.
- If you were running Line-In Record before turning off the product, it will resume in Line-In Record mode when the power is turned on again.
- Recording consumes more battery power than usual. Be sure to fully charge the battery before recording.
- The recorded file is saved in “RECORD” folder.
- The quality and capacity of the recording depends on the recording quality setup in addition to the reception.
[Please refer to “4) Detailed Description of Features by Menu → 8. Recording.”]
- Maximum capacity for a single recording is 268MB. A new file will be created and start recording if the capacity is exceeded.
- If there is less than 128MB space available on the hard disk, the recording will not start. If the available space becomes less than 128MB during recording, the recording will end.
- Up to 999 files can be recorded.

5. Picture mode(Image Viewing)



1. Connect iAUDIO to a PC with the USB cable. [Please refer to “1) Before Using This Product → 7. Connecting to a PC.”]
2. Copy the image file you want to see in iAUDIO to the “PICTURE” folder in iAUDIO.
3. Disconnect iAUDIO and the PC. [Please refer to “1) Before Using This Product → 8. Saving Files and Disconnecting from a PC.”]
4. Turn the product ON and move to Picture mode. [Please refer to “2) Basic Instructions → 2. Basic Operations for Switching Modes.”]
5. You can see the image files that are saved in the ‘PICTURE’ folder.
6. Moving the lever +, - will enlarge and reduce the image size, and moving the lever **◀◀, ▶▶** will allow you to see the Previous/Next image in sequence.
7. You may search the images by pressing the “PLAY” button while the image is enlarged.
8. Pressing the “PLAY” button will show the Thumbnail image and Fast Search is available.
9. A short-press of the lever will show the Navigator. A short-press on the lever after selecting a desired file name will launch a popup window.
10. You may see the image by selecting “View,” and set the image as the desktop wallpaper by selecting “Wallpaper.” [Please refer to “4) Detailed Description of Features by Menu → 5. Wallpaper.”]
11. If you turn the product off or enter a different mode by pressing and holding the lever while viewing an image, you can exit Picture mode.

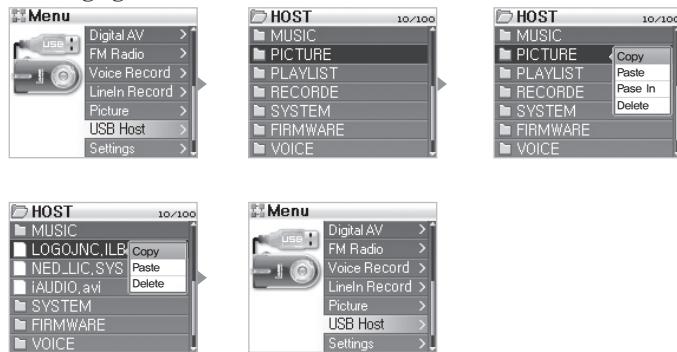
- Only JPG Image formats (excluding Progressive Type) is supported.
- Be sure to save image files only in the “PICTURE” folder.
- Subfolders in the “PICTURE” folder are not supported.
- Image files will be recognized up to 2.5MB, and the maximum number of folders that files can be saved in is 999, and the maximum number of files is 4999 (total file number under “PICTURE”).

6. USB Host Mode (Sending and Receiving Files Using Compatible Devices)

USB Host Mode can copy and delete files and folders from iAUDIO or USB compatible devices such as digital cameras and readers.

For switching between modes, refer to “2) Basic Operations → 2. Basic Operations for Switching Modes.”

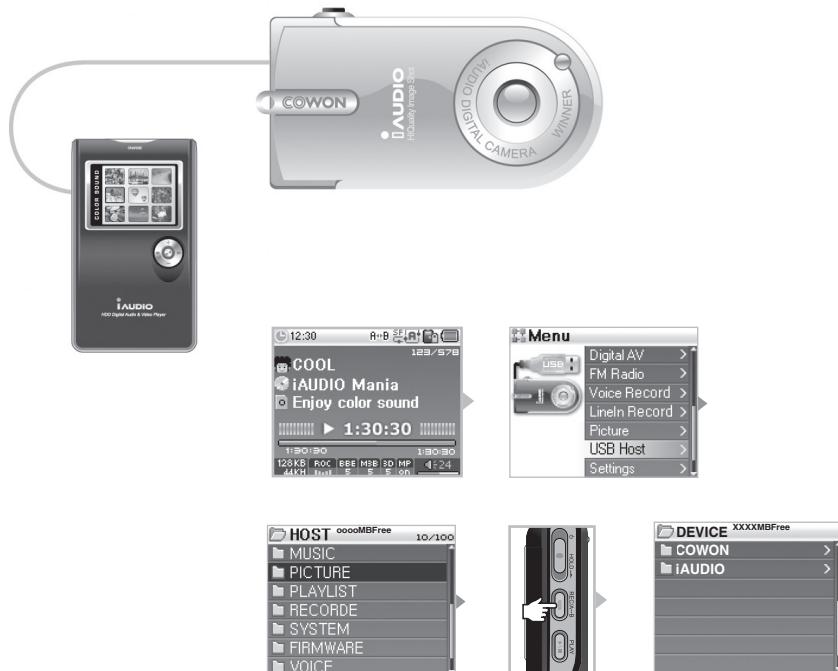
■ Managing iAUDIO



1. Turn the power ON, then go to USB Host mode. [Please refer to “2) Basic Operations → 2. Basic Operations for Mode Change.”]
2. You can view folders and files in iAUDIO like you can in the Navigator.
3. Moving and going into folders in USB Host mode is the same as in Navigator mode.
[Please refer to “2) Basic Operations → 4. Basic Operations for Navigator Use.”]
4. When selecting a folder, a pop-up window appears with four menus.
 - Copy : Saves the selected folder to the clipboard.
 - Paste : Copies the content from the clipboard to the currently open folder.
 - Paste In : Copies the content from the clipboard to the currently selected folder.
 - Delete : Deletes the selected folder.
5. When selecting a file, a pop-up window appears with three menus.
 - Copy : Saves the selected file to the clipboard.
 - Paste : Copies the content from the clipboard to the currently open folder.
 - Delete : Deletes the selected file.
6. You can move out of USB Host mode by turning off the power or go into another mode by holding down the menu button in USB Host mode.

- The top folders of iAUDIO and USB compatible devices are “HOST” and “DEVICE” respectively.
- iAUDIO doesn’t support multiple file selections. If you wish to copy multiple files at once, you must divide them by folder.
- The clipboard is a virtual space where files and folders are saved when copying them.
- When copying, the total length of the path that indicates files or folders is limited. Therefore try to avoid copying a folder from a deep path.
- In USB Host mode, the highest number of recognizable folders and files is 1499 and 2999 respectively.
- Some models of digital camera or reader may not be supported. For more information, please visit <http://www.iaudio.com>.

■ Using USB Compatible Devices



1. Use a USB Host cable to connect the iAUDIO USB Host port to the USB jack of a compatible device.
2. Turn the power ON, then go to USB Host mode. [Please refer to “2) Basic Operations → 2. Basic Operations for Mode Change.”]
3. When the “HOST” mode is displayed, hold down the “REC” button until it changes to “DEVICE” mode.
4. Copying and deleting folders and files is the same. However, if you want to copy a file or folder from a compatible device to iAUDIO, select the desired folder or file to copy and change the mode by holding down the “REC” button then choose “Paste” or “Paste In” .
5. After completing copying or deleting, unplug the USB Host cables.
6. You can move out of USB Host mode when turning the power off or go into another mode by holding down the menu button in USB mode.

- It can take some time if you are connecting USB compatible devices for the first time.
- The mode changes whenever you hold down the “REC” button, and therefore it may take some time.
- If the device is not recognized, the mode doesn’t change.
- When copying, the total length of the path that indicates files or folders is limited. Therefore try to avoid copying a folder from a deep path.
- In USB Host mode, the highest number of recognizable folders and files of the device is 1499 and 2999 respectively.

1. Using the Buttons (Summary Table of Button User Guide for Each Mode)

■ Navigator Mode

Key		Operation	When Selecting a File	When Selecting a Folder
Play		●	Changes into play mode after playing back the selected file	Goes to the selected folder
FF		● []	Plays back the selected file and stays in Navigator mode	Goes to the selected folder
REW		● []	Moves to the parent folder	Moves to the parent folder
MENU		●	Pop-up menu	Pop-up menu
+			Moves the focus upward	Moves the focus upward
-			Moves the focus downward	Moves the focus downward
REC/A+B		● []	Changes into play mode	Changes into play mode

■ Digital AV mode

Key		Operation	While Stopped	During Playback
Play		● []	Plays back the current file Operates the setting	Stops the playback of the current file Operates the setting
FF		● []	Goes to the next file Goes to the next file	Skips 5 sec or 10 sec, or skips tracks according to the SKIP setup Fast forward
REW		● []	Goes to the previous file Goes to the previous file	Skips 5 sec or 10 sec, or skips tracks according to the SKIP setup Fast rewind
MENU		● []	Navigator Mode Setup Menu	Navigator Mode Setup Menu
+			Volume up	Volume up
-			Volume down	Volume down
REC/A+B		● []		Set/Reset section repeat Operates the setting

In the key operation, ● indicates to press once and [] indicates to hold down longer than 1 second.

Button User Guide for Each Mode

■ FM Radio Mode

Key		Operation	While Stopped	In Preset Mode
Play		●	Changes to the preset mode	Changes to regular mode
FF		●	Increases the frequency	Moves to the next preset
		—	Auto searches for the next station	Moves to the next preset
REW		●	Decreases the frequency	Moves to the previous preset
		—	Auto searches for the previous stations	Moves to the previous preset
MENU		●	Sets up the preset mode	Sets up the preset mode
		—	Setup Menu	Setup Menu
+			Volume up	Volume up
-			Volume down	Volume down
REC/A+B		●	Start/Stop Recording	Start/Stop Recording

■ Voice Record/LineIn Record Mode

Key		Operation	While Stopped	During Recording
Play		●	Plays back the recorded file	Pause or records continuously
MENU		●	Navigator Mode	
		—	Setup Menu	
+			Volume up	
-			Volume down	
REC/A+B		●	Start recording	Stop recording

In the key operation, ● indicates to press once and — indicates to hold down longer than 1 second.

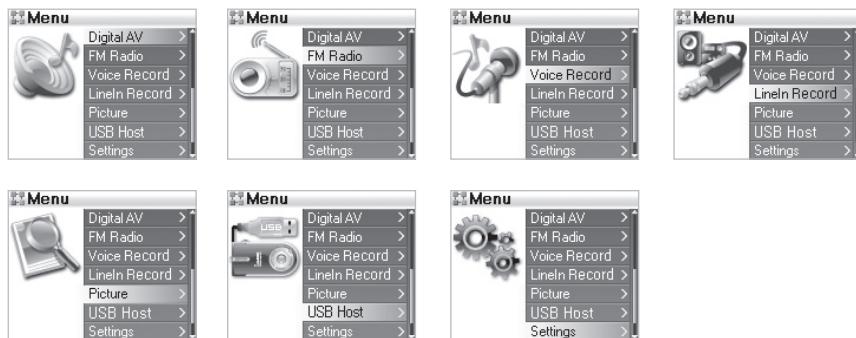
1. Menu Index

	Digital AV		Skip Length
	FM Radio		Scan Speed
	Voice Record		Resume
	LineIn Record		AutoPlay
	Picture		Fadeln
	USB Host		Controls
	Settings		USB Mode
			Load Default
Settings			FM Radio bps
	Equalizer		Line-in bps
	BBE		Voice bps
	Mach3Bass		Line Volume
	MP Enhance		Mic Volume
	3D Surround		Auto Sync
	Pan		Voice Active
	Boundary		Streo
	Repeat		FM Region
	Shuffle		
	Language		
	Song Title		
	Play Time		
	Album Scroll		
	Title Scroll		
	WallPaper		
	Status Bar		
	Lyrics		
	Scroll Speed		
	Contrast(M)		
	Contrast(R)		
	Brightness(M)		
	Backlight Time(M)		
	Backlight Time(R)		
	Clock		
	Alarm		
	Sleep		
	AutoOff		

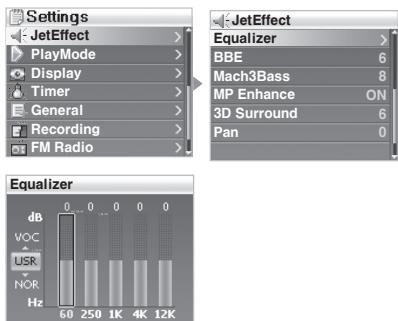
- The setup menu is subject to change if there are any future firmware upgrades.
- The language for the setup menu can be changed in 5) Display → 1. The language default setting is English.
- For setup menu operations, please refer to 2. Basic Operations → 3. Basic operations for the menu use.

2. Menu

From the initial screen, you can go into Settings or choose Digital AV, FM Radio, Voice Rec, Line-In Rec, Picture, and USB Host mode. For mode changes, please refer to simple operations by mode.



3. JetEffect



1. Equalizer

There are presets or the user can set up a 5-band EQ. Normal, Rock, Jazz, Classic, Pop, Vocal, and User EQ's are available, and each EQ can be controlled depending on the user's preference.

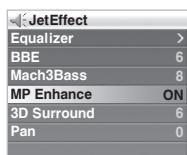


2. BBE

BBE is a sound effect that makes music clearer.

3. Mach3Bass

Mach3Bass is a bass boosting effect that reinforces super-bass frequencies.



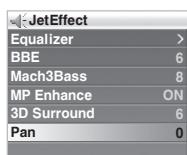
4. MP Enhance

MP Enhance is a sound field effect that compensates for the lost parts of sound.



5. 3D Surround

3D Surround provides a 3D sound effect.



6. Pan

Pan is a feature to adjust the balance of left and right volumes.

- Excessive adjustments to the JetEffect setup can create noise or distort the sound.
- For detailed information on JetEffect, refer to the BBE MP section of our homepage at www.iAUDIO.com.

4. PlayMode



1. Boundary

- It sets up the playback range for a file or folder, and can set up various playback ranges.
A recorded MP3 file is not included in the playback range.
- All: Plays all tracks in all folders.
- Single: Plays only one track.
- Dir(Directory)
: Only plays files from the currently-selected folder.
- Sub Dir (Sub-Directory Included): Plays all subfolders in the currently selected folder.
- Songs from DPL, BOOKMARK, PLAYLIST, are automatically set up as a Boundary list.
- When playing songs from a general folder or while playing songs from DPL, BOOKMARK, PLAYLIST, it automatically goes back to the previous Boundary.



2. Repeat

You can set and reset the repeat function within the designated Boundary range.

- It repeats play when it is set to On, and when it is set to All, it repeats all the tracks within the selected boundary.



3. Shuffle

- You can set and reset random play within the designated Boundary range.
- When it is set to On, the next play list is chosen randomly and played.

5. Display



1. Language

- This feature is divided into Tag and Menu, and you can set the ID3 tag language and the setup menu language respectively.



2. Song Title

- You can select how the file name is displayed.
- It shows the ID3 tag under ID3 tag, or it displays the file name.



3. Play Time

- You can select how to display the time information of the track currently playing.
- Elapse shows how long it has been playing, Remain shows how much time is remaining.



4. Album Scroll

- You can set how to scroll through the Album names displayed on the CD.
- One Way scrolls only left, Two Way scrolls left and right.



5. Title Scroll

- You can set the way the Titles scroll on the LCD-display.
- One Way scrolls only left, Two Way scrolls left and right.



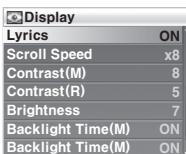
6. WallPaper

- You can select the background.
- "None" is for no background, and "Default" is for the default background.
- "User" shows the file as a background that has been set up as Wallpaper in Picture mode.



7. Status Bar

- You can select whether to display the status bar or not.
- When it is Off, the status bar located on the side of the screen disappears, and the viewable area increases.



8. Lyrics

- You can set to display input lyrics of the track.
- When it is set to On, you can view the lyrics of the current song on the LCD.
- If the lyrics have not been input, the lyrics will not be displayed even though it is set to On.
- For more details, please refer to the beginner's guide at our homepage at www.iAUDIO.com.



9. Scroll Speed

- You can set the scroll speed of the letters displayed on the LCD.
- The higher the number, the faster the scroll speed).



10. Contrast (M)

- You can set the LCD's contrast.



11. Contrast (R)

- You can set the contrast of the remote control (sold separately).



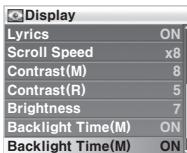
12. Brightness

- You can set the LCD's brightness.



13. Backlight Time (M)

- You can set how long the LCD stays on.



14. Backlight Time (R)

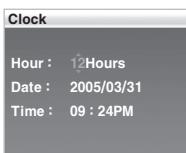
- You can set how long the remote control (sold separately) stays on.

6. Timer



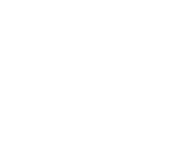
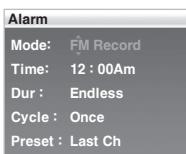
1. Clock

- Sets the current time.



2. Alarm

- It can automatically turn on the device at a designated time.
- The alarm goes on once when set to Once, every day when set to Everyday, Monday to Friday when set to Mon ~ Fri.
- Duration(Dur) indicates how long the alarm will go off, and the device is automatically turned off when the duration time is over.
- In FM Alarm and FM Record mode, you can choose a station manually or choose the last station you were listening to.
- It consumes more energy when performing the FM timer recording function. Therefore, you have to make sure that it has enough power.



3. Sleep

- It automatically turns off the device at the designated time when the device is running.
- The device is turned off automatically at the designated time even though it is running.





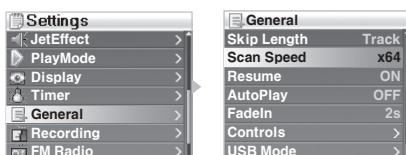
4. AutoOff

- It automatically turns off the device if the device doesn't run for a set amount of time when the device is on stop.
- It will not turn off the device if the device is running.

7. General

1. Skip Length

- It sets up the length of time to be skipped when the **<<**, **>>** buttons are pushed



2. Scan Speed

- It sets up the speed for fast forward and rewind when the **<<**, **>>** buttons are pushed.
- The higher the rate, the faster the possible search.



3. Resume

- It remembers the last position of the last-played track.
- When AutoPlay has been set up, it automatically plays from the previous position of the last-played song.



4. AutoPlay

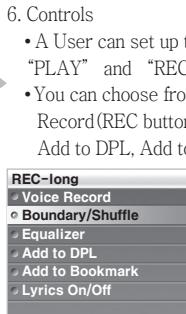
- iAUDIO starts to play automatically after it is turned on.
- When it is set to On, the last played song is played when the power is turned on.
- When Resume has been set up, it automatically plays the last played song from the previous position.



5. FadeIn

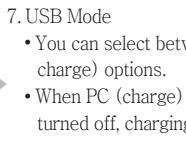
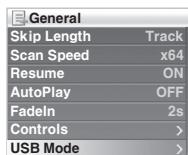
- It turns up the volume gradually when playing back after temporarily stopping.
- You can set the amount of time it takes for the volume to turn up.

Detailed Specifications for Each Menu Function



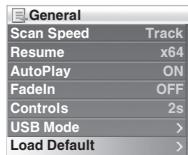
6. Controls

- A User can set up their preferences when the “PLAY” and “REC” buttons are held down.
- You can choose from JetEffect(Play button), Voice Record(REC button), Boundary/Shuffle, Equalizer, Add to DPL, Add to Bookmark, and Lyrics On/Off.



7. USB Mode

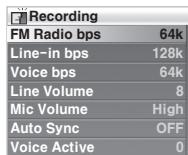
- You can select between PC (charge) and Hub (no charge) options.
- When PC (charge) is selected and the power is turned off, charging through the USB port is supported.



8. Load Default

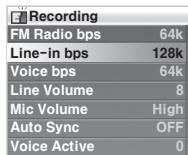
- You can set it back to the initial default settings.

8. Recording



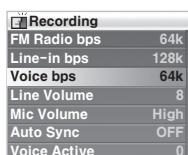
1. FM Radio bps

- It sets the quality of the FM recording that is recorded by pushing the “REC” button in the middle of listening to the radio station.
- The Higher the Kbps, the better the quality, but the file size increases.



2. Line-in bps

- It sets the quality of the Line-in recording.
- The Higher the Kbps, the better the quality, but the file size increases.



3. Voice bps

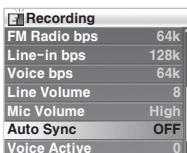
- It sets the quality of the recorded file from the built-in microphone.
- The recorded file from the built-in microphone is basically mono.
- The Higher the Kbps, the better the quality, but the file



4. Line Volume
- Set the volume level of incoming signals from the Line-In Recording jack.
 - Higher values mean higher amplification.



5. Mic Volume
- Set the volume level of the built-in mic.



6. Auto Sync
- It automatically splits files by recognizing the sound coming in through the Line-In port.
 - A higher number means a longer interval is required between the tracks – this number does not indicate seconds.



7. Voice Active
- You can save memory because it automatically pauses recording when there is no sound and resumes recording again when there is sound input during the recording process.
 - 0 ~ 10 value is provided, and the lower the number is, the higher the sensitivity to sound.
 - When you are recording something very important, be sure to set it to Off.

9. FM Radio



1. Stereo
- When listening to FM, you can choose from stereo or mono.
 - However, if the station only supports mono broadcasting, then it will broadcast in mono even though it is set to stereo.



2. FM Region
- Sets a region for FM Radio.

10. Information



- Version : It indicates the current firmware version.
- HDD Total : It indicates the total capacity on the hard disk.
- HDD Free : It indicates the remaining capacity on the hard disk.
- Dirs(number of folders) : It indicates the total numbers of directories not including the system directory.
- Files(number of files) : It indicates the total number of multi-media files not including recorded files.

1. Installing the Device Driver

It requires a separate driver installation process when it is connected to a PC running Windows 98 and 98 SE for the first time.

■ Driver installation



1. Connect the device to the PC using a USB cable.
(Please refer 7) Connecting to a PC Before Using).



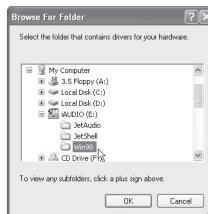
2. The Add New Hardware wizard window, shown in the picture, appears. Click Next.



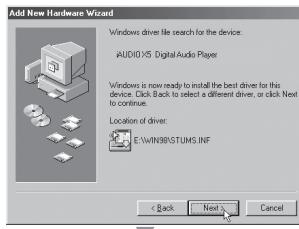
3. Check "Search for the best driver for your device" and click Next.



4. Check "Specify a location" and click Browse.



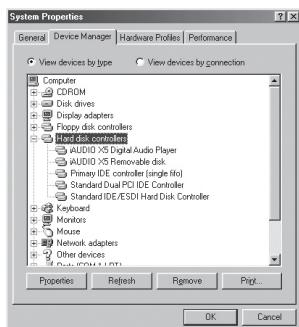
5. Choose the "Win98" folder from the CD-ROM drive and click OK. (You can also download the file from the "Download" menu at our homepage: www.iAUDIO.com.)



6. After designating the desired location for saving the file, click Next.



7. Click Next again.

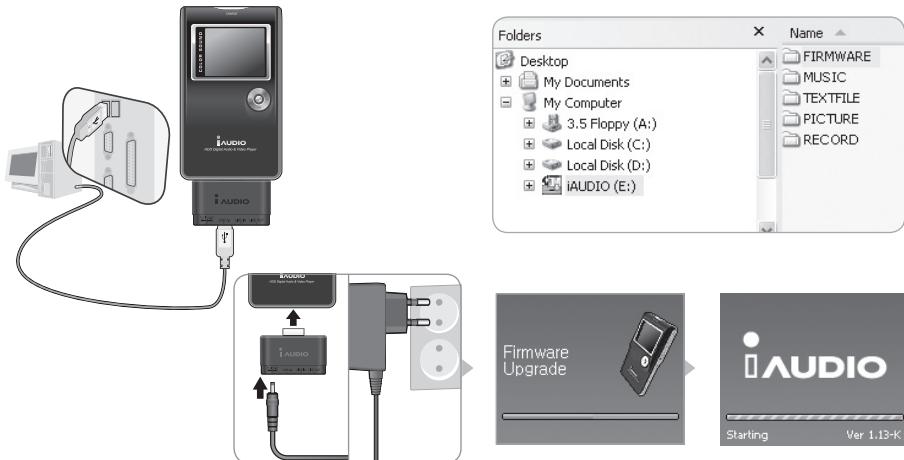


8. Click finish, and the driver installation is complete. You can view the newly added drive from Windows Explorer.

2. Upgrading the Firmware

Firmware is a built-in hardware program, and it can improve the product's functions or debug it through an upgrade. The functions and the menu are subject to change without warning through firmware upgrades, and some beta version firmware can have minor errors in their operation which will be corrected in the final version.

■ Upgrading Firmware



1. Connect the device to the PC using a USB cable. (Refer to 7. Connecting to a PC Before Using).
2. Download the recent firmware file from the "Download" menu from our homepage at www.iAUDIO.com.
3. Unzip the downloaded file and copy the file to the firmware folder in the iAUDIO X5.
4. Unplug the device from the PC and connect the AC adapter.
5. The power comes on when the adapter is connected, and the firmware automatically upgrades.
6. When the firmware upgrade is complete, it changes to the program running screen, and from the first screen you can confirm the firmware version.

*Do not unplug the adapter or turn off the power before the firmware upgrade is complete.

*Make a backup file on your PC since the saved data in the memory can be deleted when upgrading firmware.

3. Program Support Information on the CD

The iAUDIO installation CD includes the multimedia integration playback program JetAudio which is famous worldwide and JetShell which is the iAUDIO manager program. (It also includes the Windows 98, 98SE driver files.)

It is included in the detailed user guide folder of the application, so please refer to it.

The actual CD folder may differ a little from the picture.



iAUDIO X5

Symptom	Procedure	Explanation
iAUDIO does not power on.	See if the same problem persists after the adapter is connected.	If the internal battery is completely discharged, then recharge it with the adapter. Depending on the discharge status, it can take up to 10 seconds for the power to come back on even after connecting the adapter.
	iAUDIO does not respond at all.	Press the RESET. (* RESET will cut off the power while not affecting the device itself.)
I can't hear any sound at all, or there is noise.	See if there is an AV file saved in the device memory.	iAUDIO does not work when there are no saved files in it.
	You also can see if the remote control or earphone is connected to the device, or if the port is covered by any foreign objects. (If a foreign object contaminates the device, it can create noise.) If an audio file is damaged, noise can result or the sound can be cut out.	
FM Radio does not work.	FM Radio reception may not be good inside buildings, subways or moving cars. Listening to FM Radio may be impossible in areas shaded from radio transmissions.	
	If FM radio doesn't work in areas where a user is supposed to be able to get FM radio stations, then there may be a problem with the receiving module. In that case, contact your A/S center and request a check-up on the device.	
The letters on the LCD are all broken.	Set to English in the Country/Language menu or use the File Name menu in the ID3 tag control menu. However, if all the iAUDIO devices have the same problem, then the device is developed based on Hangul (the Korean alphabet), therefore some of special fonts/language may be broken.	
The computer doesn't recognize the device.	If they are connected by a USB cable, then turn the power ON. A separate driver has to be installed for iAUDIO that is running under Windows OS except for Windows 2000/XP.	
JetShell doesn't recognize the device and says "There is no iAUDIO".	Connect it to the computer and make sure that the device is recognized by checking in Windows Explorer. Then run JetShell. Please refer to "Installing the Device Driver".	
The hard disk memory indicated/used is a lesser amount. (e.g. it indicates 18.6 GB for 20GB.)	For example, if it indicates 20Gb as 18.6Gb after formatting to FAT 32, then this is quite normal. iAUDIO memory shares the space that is used as a system domain. Therefore, if the system domain that is necessary to run the iAUDIO driver regularly is excluded, then the actual indicated HDD memory will be a little smaller.	
After saving hundreds of files in the Root folder, iAUDIO does not work or malfunctions.	iAUDIO uses FAT32. Due to the limitations of FAT32, avoid saving too many files in the Root directory.	This is a limitation from Windows 98. It is recommended to create subfolders for Windows 2000 and XP as well.

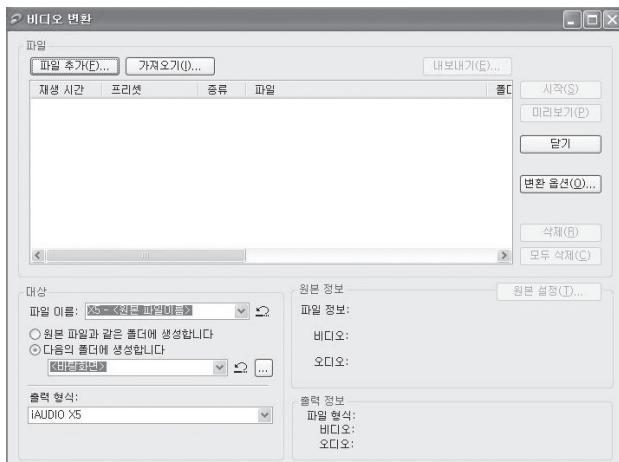
1. Prepare the movie file and subtitle file to be converted with JetAudio VX.



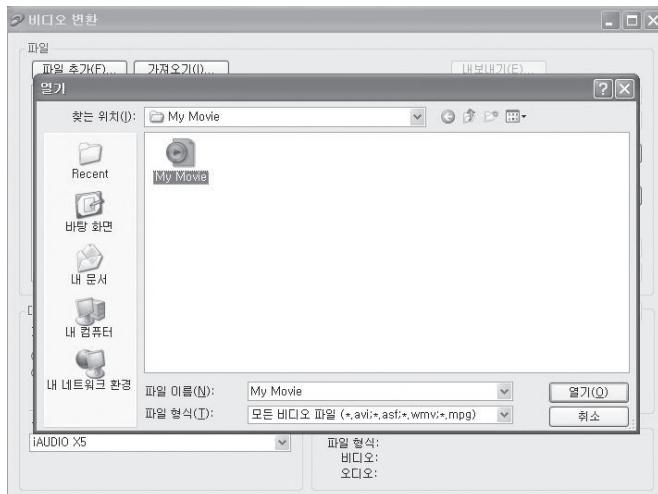
2. Proceed after installing JetAudio VX.



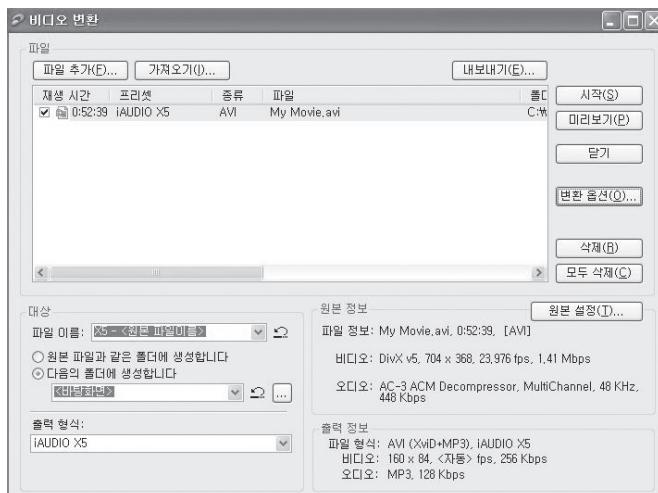
3. Select "Convert Video" to launch "Video Conversion" window.



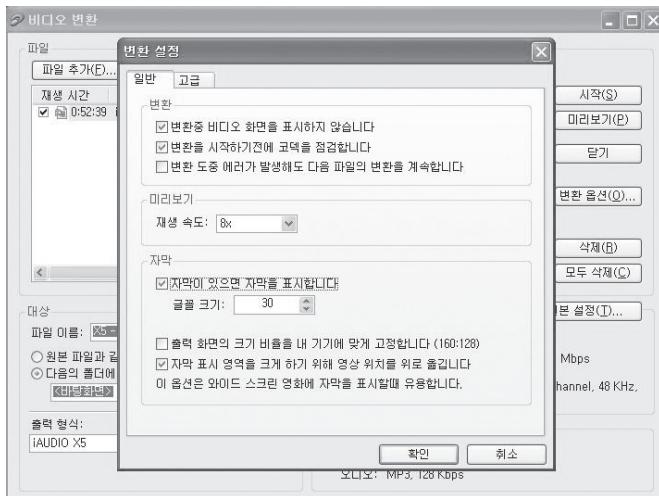
4. Select "Add Files" to add the movie file to be converted.



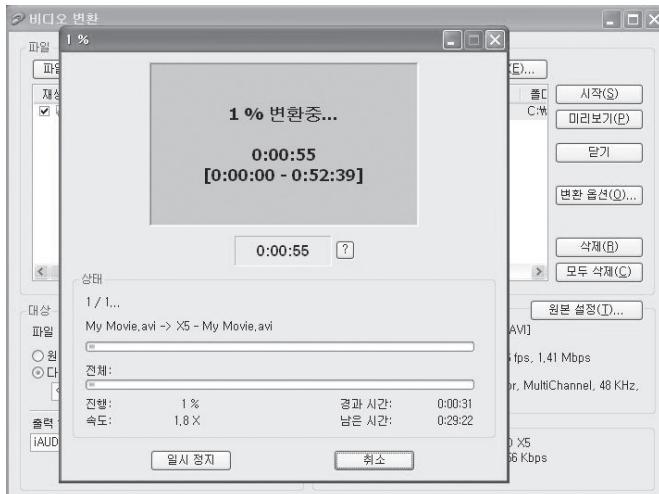
5. When "Video Conversion" window appears, select "Conversion Options" for subtitle setup.



6. When "Conversion Options" window appears, check the subtitle display option and then press OK.



7. Press "Start", and the conversion begins.



8. Once the converted file is sent to iAUDIO X5, you can playback in the "Digital AV" mode.



X5 - My Movie.avi

- For video files that are not converted using JetAudio VX, it is not guaranteed to playback properly.
- Basically, video files that properly play back on a PC can be converted without problems.
- The conversion time may vary depending on PC performance, original file size, and CODEC type used.
- For video files, Bookmarks and Dynamic Playlist (DPL) functions are not available.
- .smi file is a subtitle file, and its file name must be the same as that of the video file.

※ iAUDIO X5 Video Support Specifications

- Video : XviD MPEG4, 1-Pass L3, 256kbps
- Audio: Mp3, 128kbps, 44.1khz, stereo
- Size: up to 160x128 pixels
- Framerate: up to 15 fps

What is JetShell?

JetShell is the iAUDIO manager program providing the following features:

- Downloading/Uploading files from/to iAUDIO.
- File management similar to Windows Explorer
- Playing MP3, MP2, WAV, WMA, ASF, Audio CD, and Playlist (m3u)
- Copying (ripping) MP3 files from Audio CD
- Converting between WAV/MP3/WMA
- Changing bitrate of MP3 files
- Convenient file transfer using Download List
- A wide selection of spectrums, equalizers, and sound effects
- Editing ID3 tags
- Downloading iAUDIO logo
- Formatting the flash memory

Running Environment for JetShell

- Pentium 200 Mhz or higher
- 32 MB or more memory
- 20 MB or more hard disk space
- 256 Color or higher display
- Windows 98/ME/2000/XP (NT is not supported)
- USB Port 1.1 or higher
- CD-ROM drive
- Sound Card, Speaker or Headphone

Connecting iAUDIO and Installing JetShell

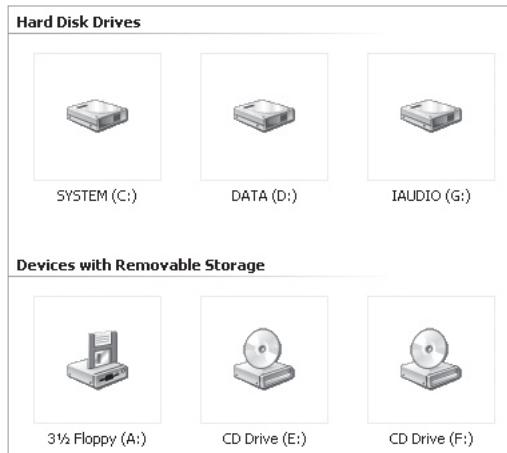
Installing JetShell

1. When you insert iAUDIO installation CD in the CD-ROM drive, the installation program starts automatically.
It may not start automatically depending on the settings of Windows. In this case, run x:\setup.exe or x:\JetShell\setup.exe. (where x is the letter of your CD-ROM drive)
2. When the installation finishes, Start -> Program -> COWON -> iAUDIO X5 program group is created.

Connecting iAUDIO

Windows ME / 2000 / XP

1. Connect the iAUDIO USB port to the PC USB port with a USB cable.
(iAUDIO should not be used with a USB hub, rather it should use a direct connection to the USB port of the main board.)
2. To confirm if the physical installation is complete, please check as follows (based on XP Home Edition)
and confirm if a new local disk has been created in "My Computer."



For Windows 98 / 98 SE

1. Do not perform the following steps if you are using an Operating System other than Windows 98 SE.
2. The E:\ drive shown in the illustration is an example, and it may be different from the actual drive name used by your PC. It was given for your reference only.



3. Connect the USB ports of iAUDIO to your PC using the provided USB cable. As soon as the cable is connected, "Add New Hardware Wizard" window is displayed. Click Next.



4. 'Check "Search for the best driver for your device" and click Next.'

Connecting iAUDIO and Installing JetShell



5. Check "Specify a location" and click Browse.



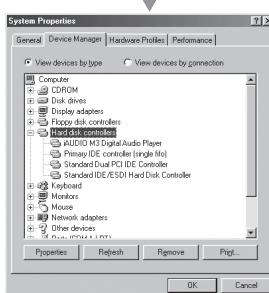
6. From the "Browse" window, select the [Win98] folder on the iAUDIO Installation CD, and click OK.



7. Click on [Next] button when the [Add Hardware Wizard] window appears with the title 'iAUDIO X5 Digital Audio Player'.



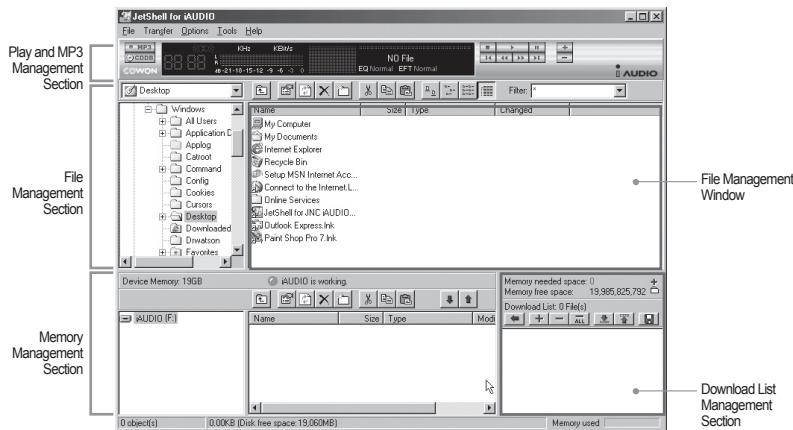
8. The driver files are copied and installed from the Installation CD. When the installation finishes, a message notifying you of completion appears as shown in the picture. Click Finish.



9. Finally, make sure that installation of iAUDIO was completed normally by checking "iAUDIO X5 Digital Audio Player" displayed under "Harddisk controller" of "Control Panel / System / Hardware / Device Manager".

Introducing JetShell

The Whole View



When JetShell is running, it controls the iAUDIO. Make sure to exit JetShell before performing the following tasks:

- Installing iAUDIO's USB driver
- Formatting iAUDIO in Windows Explorer
- Upgrading iAUDIO's firmware

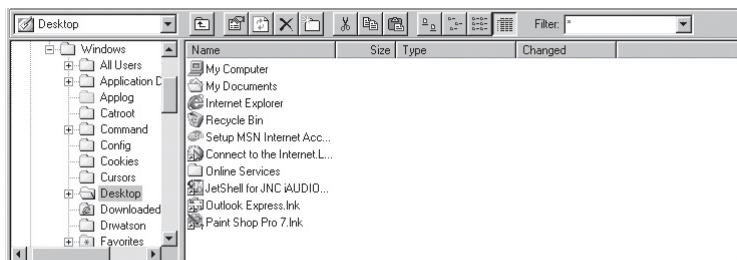
Player Section



Double click an MP3, MP2, WAV, WMA, ASF, Audio CD track, or Playlist (m3u) file in the "File Management Window", or drag and drop files on the "Player Window" shown above. You can also select multiple files and then press the Play button. On the black screen in the middle, various information of current file is displayed, and two types of spectrum screens appear.

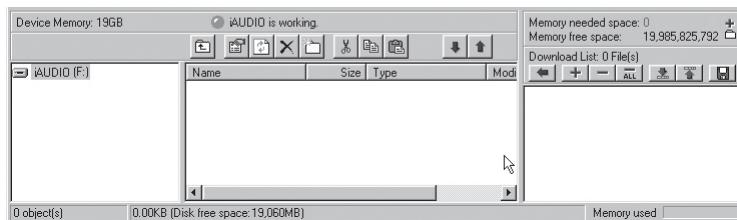
You can start and stop playing the file with the buttons at the right, and adjust the volume with the + and - buttons. To skip instantly to a specific position of the track being played, click on the position bar.

File Management Section



The File Management Section of JetShell looks just like Windows Explorer. The left window shows folders, disks, and CD-ROM drives in a tree structure, and the right window shows the files in current folder.

Memory Management Section



The bottom part of JetShell consists of 'Memory Management Section' and 'Download List.' When iAUDIO is working normally, the red lamp flashes with the message 'iAUDIO is working' as shown in the figure. The files transferred from PC to iAUDIO by the user are displayed in the middle window. The "Memory used" bar shown at the bottom right indicates the used memory size of the total memory of iAUDIO X5. If this bar is almost full, it means that there is almost no free space available in iAUDIO X5.

Button	Function	Explanation
	Up	Move to the upper folder.
	Properties	Display the properties of the selected file.
	Refresh	Refresh the contents of flash memory.
	Delete	Delete the selected file or folder.
	New folder	Create a new folder.
	Cut	Cut the selected file or folder.
	Copy	Copy the selected file or folder.
	Paste	Paste the cut or copied file.
	Transfer to Flash Memory	Transfer the selected files or folder from PC to iAUDIO.
	Transfer to PC	Transfer the selected files or folder from iAUDIO to PC.

Spectrum Display and Sound Effects

JetShell displays visually cool spectrums. When you click on the spectrum display area, the screen changes as follows.



You can also enjoy various equalizers and sound effects.

Normal
Rock
Pop
Jazz
Classic
Vocal

Various Equalizers

Normal
Room Reverb
Big Room
Hall Reverb
Stage Reverb
Stadium Reverb
Cathedral 1
Cathedral 2
Air Duct Reverb
Metallic Reverb
Simple Reverb
Alien 1
Alien 2
Bass Boost
Mega Bass Boost
Simple Echo
Distance Echo
Long Echo
Alpia Echo
Double Echo
Strange FB 1

Various Sound Effects

Downloading Music files to iAUDIO

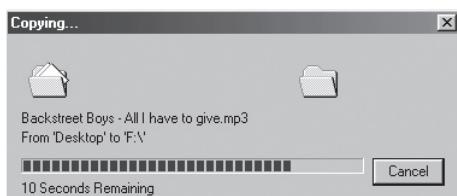
1. Downloading music files to iAUDIO is very simple. Select files to download from the "File Management Window" and click down arrow.



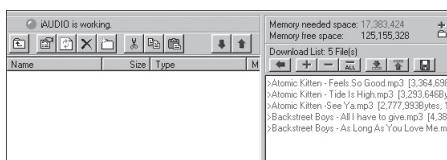
2. Or you can also drag and drop the selected files from the "File Management Window" to the "Flash Memory Management Window".



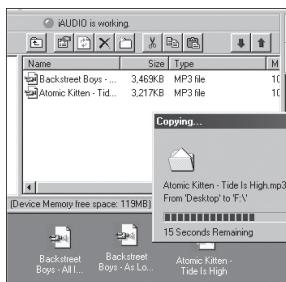
3. The progress window appears. Backlight turns on when transmitting. Never disconnect the USB cable when the backlight is on.



4. Another method is to put the files in the "Download List Window" first, and transfer them later. This is useful when you wish to download files in different folders.



5. You can also download the files existing outside of JetShell by dragging and dropping them onto the "Memory Window".



Deleting MP3 Files from iAUDIO

You can delete files in iAUDIO in the same manner as in Windows Explorer.

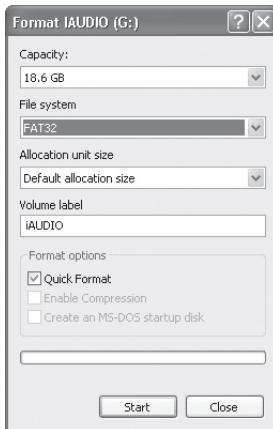
Select the files to delete and click on the button. Then the confirmation window "Delete from flash memory?" appears. Click 'Yes' to delete them.

You can also delete files from the pop-up menu that appears when you right click your mouse after selecting a file in the memory window.

Formatting HDD

iAUDIO requires formatting as HDD does. You should be careful when formatting iAUDIO since all data in the memory will be deleted.

1. Click 'Device Memory Format' from the File menu. The following window appears. You may format as FAT32. If not formatted as FAT32, iAUDIO will be recognized as a USB storage medium only, and the MP3 Player will not operate properly. You must use FAT32, and never use the NTFS file system that is supported in Windows 2000 and XP.



Or you may right click the iAUDIO drive from Windows Search function and format it.

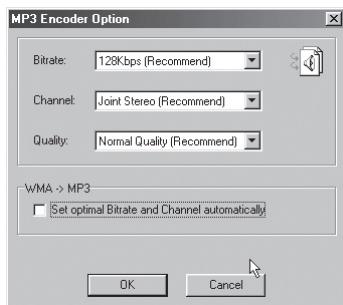


Converting Audio CD Tracks to MP3 Files and Downloading Them to iAUDIO

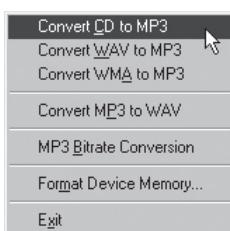
With JetShell, you can easily convert your Audio CD into MP3 files and download them to iAUDIO.

Since the Audio CD tracks are digitally converted to MP3 without transforming them to wave files first, the speed is very fast.

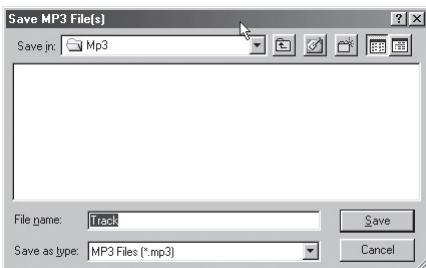
1. Before getting started, you must choose the quality of the MP3 files to create. Click [Setup] –[MP3 Encoder Option] to set the desired bitrate of the MP3 files. (The files compressed in a high bitrate have a higher sound quality and a bigger file size.)



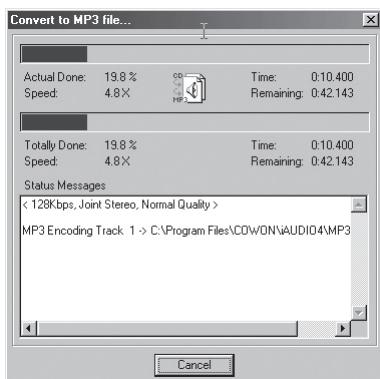
2. From the File Management section, select the CD-ROM drive in which the Audio CD is inserted. Select the audio tracks from the right window and click **Convert to MP3** or [File] –[Convert CD to MP3] from the menu.



3. Specify the path to save the MP3 files in. Choose a folder in iAUDIO to directly download MP3 files onto iAUDIO.



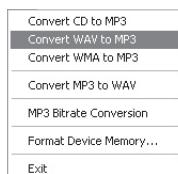
4. The converting process is displayed as shown below.



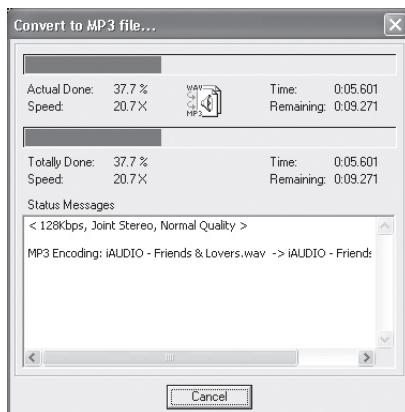
To Convert a WAV File to an MP3 File

This is a function that changes a WAV file to an MP3 on the PC.

Click File Menu from JetShell and then click the WAV to MP3 conversion button.



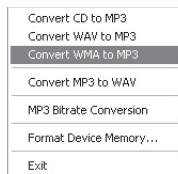
The conversion window appears.



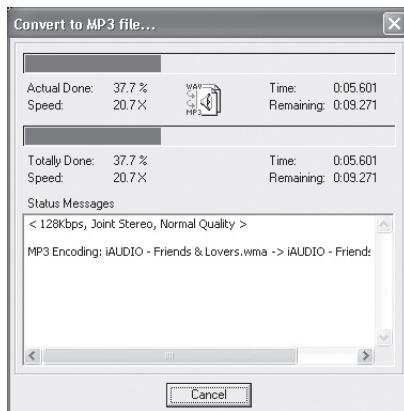
To Convert a WMA File To an MP3 File

This is a function that changes a WMA file to a MP3 on a PC.

Click File Menu from JetShell and then click the WMA to MP3 conversion button.



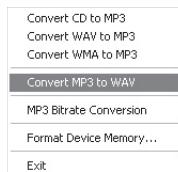
The conversion window appears.



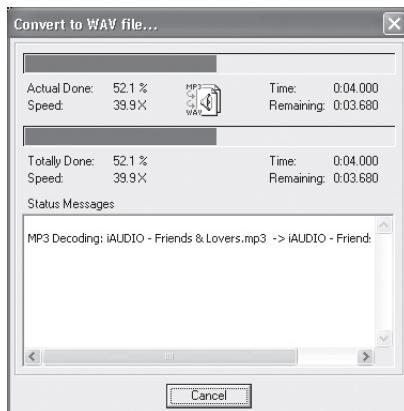
To Convert an MP3 File to a WAV File

This is a function that changes an MP3 file to a WAV file on a PC.

Click File Menu from JetShell and then click the MP3 to WAV conversion button.



The conversion window appears.



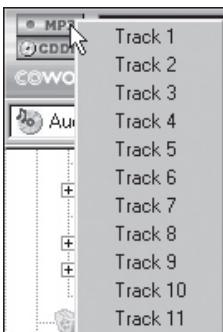
1. Ripping Enhanced CD

For some enhanced CDs, you cannot directly select the tracks on the CD.

In this case, you can right click your mouse on button and select a track to convert to file as shown in the picture below. However, for some Audio CDs for which copy protection technology is applied, this ripping method may not work.

What is an enhanced CD?

This is an audio CD that contains video or data for a PC.



The tracks appear when you right click your mouse.

2. Accessing Internet CD Database

When you press the button, the information on the CD, such as the singer and song title can be acquired through the Internet. To use CD database, the Internet connection must be enabled. You may not be able to use this feature depending on the status of the network or the proxy server settings.

When incorrect data is stored in the CD database, the texts may appear abnormally on your PC. This is not an error of JetShell but the information stored in Cddb.



3. Editing ID3 Tag

You can edit the ID3 tag of a MP3 file by selecting [Tools] – [Edit MP3 ID3 Tag] from the JetShell menu.



4. Changing MP3 Bitrate

You can change the bitrate of MP3 files by selecting [MP3 Bit Rate Conversion] from the menu.



5. Downloading Logo File

You can download a logo file to change the logo screen that appears when iAUDIO powers on.

Select [Download Logo File] from the menu. When the "Open" window appears, select the desired logo file and click Open. Then the logo file is downloaded and applied.



Installing and Using JetAudio

The worldwide renowned integrated multimedia player 'JetAudio' is included in the iAUDIO Installation CD. To install 'JetAudio', run the file "CD-ROM\JetAudio\setup.exe." For detailed information on using JetAudio, refer to the JetAudio 'Help' after installation, or post your question on the Q&A board at the site "<http://www.JetAudio.com>."



DIGITAL PRIDE



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